

ABSTRACT OF THE DISCLOSURE

A Co-Cr-Mo alloy fine wire has superior biocompatibility, corrosion resistance, wear resistance, processability, and flexibility. A manufacturing method and a planar body or the like formed by processing this fine wire. This is a fine wire of diameter of 200 micrometers or less comprising 26 to 31 weight % of Cr, 8 to 16 weight % of Mo, and the remainder of Co and inevitable impurities, in which the degree of roundness (minor diameter/major diameter) of lateral cross section is 0.6 or more, and the internal structure is uniform with the concentration ratio of high Mo concentration phase to low Mo concentration phase of 1.8 or less.